

University of Kentucky Campus Wide Security

Typical Hardware Types

Type 1

1 ea.	9600 x LBM	Electric Strike	HES
1 ea.	Scan II	Motion Detector	Schlage
1 ea.	1076C	Door Position Switch	Sentrol

Type 2

1 ea.	9600 x LBM	Electric Strike	HES
1 ea.	Scan II	Motion Detector	Schlage
2 ea.	1076C	Door Position Switch	Sentrol

Type 3

1 ea.	M492PxMBSxRTDxLEDxTJ	Top Jamb Double Mag Lock	Schlage
1 ea.	Scan II	Motion Detector	Schlage
2 ea.	709GR	Push to Exit	Schlage
1 ea.	PS902x4RLxFaxBBK	Power Supply	Schlage
2 ea.	1076C	Door Position Switch	Sentrol

Type 4

1 ea.	M492PxMBSxRTDxLED	Double Mag Lock	Schlage
1 ea.	Scan II	Motion Detector	Schlage
2 ea.	709GR	Push to Exit	Schlage
1 ea.	PS902x4RLxFaxBBK	Power Supply	Schlage
1 ea.	9560	Double Auto Operator	LCN
1 ea.	9560-3462	Auto Operator Controller	LCN
2 ea.	818T	Wireless Push Pad	LCN
2 ea.	8310-844J	Transmitter	LCN
1 ea.	8310-865	Receiver	LCN
2 ea.	1076C	Door Position Switch	Sentrol

Type 5

1 ea.	M492PxMBSxRTDxLED	Double Mag Lock	Schlage
1 ea.	Scan II	Motion Detector	Schlage
2 ea.	709GR	Push to Exit	Schlage
1 ea.	PS902x4RLxFaxBBK	Power Supply	Schlage
2 ea.	1076C	Door Position Switch	Sentrol

Type 6

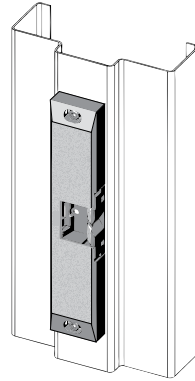
2 ea.	9600xLBM	Electric Strike	HES
1 ea.	Scan II	Motion Detector	Schlage
1 ea.	9560	Double Auto Operator	LCN
1 ea.	9560-3462	Auto Operator Controller	LCN
2 ea.	818T	Wireless Push Pad	LCN
2 ea.	8310-844J	Transmitter	LCN
1 ea.	8310-865	Receiver	LCN
2 ea.	1076C	Door Position Switch	Sentrol

Type 7

1 ea.	9600xLBM	Electric Strike	HES
1 ea.	Scan II	Motion Detector	Schlage
1 ea.	9540	Auto Operator	LCN
1 ea.	9540-3462	Auto Operator Controller	LCN
2 ea.	818T	Wireless Push Pad	LCN
2 ea.	8310-844J	Transmitter	LCN
1 ea.	8310-865	Receiver	LCN
1 ea.	1076C	Door Position Switch	Sentrol

Type 8

2 ea.	9600 x LBM	Electric Strike	HES
1 ea.	Scan II	Motion Detector	Schlage
2 ea.	1076C	Door Position Switch	Sentrol



The original completely surface mounted, windstorm rated solution!

9600 Series

Specifications

- UL listed to ANSI 250.13 Severe Windstorm
- UL1034 burglary-resistant listed
- ANSI/BHMA, A156.31 Grade 1 (#E09731, #E09732)
- Patented design

Frame Application

- Metal
- Wood

Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

The 9600 series Genesis™ continues to set the standard for surface mounted electric strikes. The 9600 accommodates rim exit devices in metal or wood jambs. The 9600 features an internally mounted solenoid and two stainless steel, independently- operating locking mechanisms. The 9600 is easy to install, with all components encased in the 3/4" thick stainless steel housing, requiring no cuts to the jamb for installation.

Windstorm Rating

A "severe windstorm" is defined by the ANSI standard as being a weather event with sustained winds or gusts of 100 to 150 miles per hour. To meet listing requirements, an electric strike must preserve the closed door state and be functional after withstanding multiple impacts of 350 ft-lbs., which is roughly equal in force to a 9 pound section of a 2 x 4 flying at 50 feet per second and hitting the opening end on. It must then survive pressure variance of ± 60 ft-lbs. of pressure over 3,500 cycles. The HES 9600 is the only windstorm listed surface mount electric strike available.



RIM EXIT DEVICES

Standard Features

- Completely surface mounted
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 1,000,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24 VDC
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates up to 3/4" pullman latch
- Five-year limited warranty



Optional Features

- LBM - Latchbolt monitor
- LBSM - Latchbolt strike monitor

Accessories

9400/9500/9600-108 - Spacer plate

SMB - Surface mounting box

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

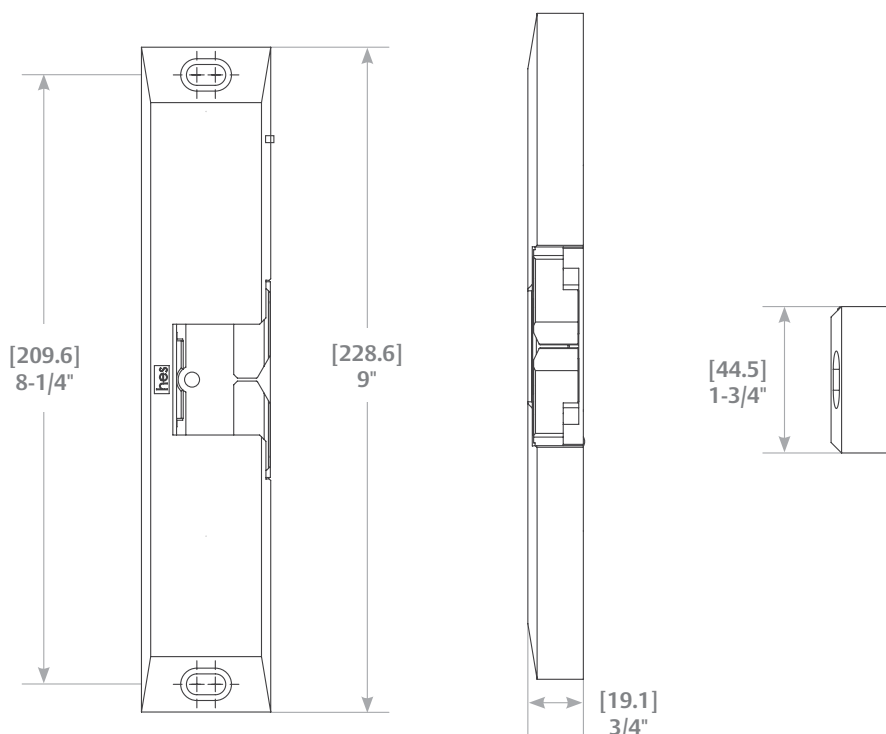
605 - Bright brass

606 - Satin brass

612 - Satin bronze

613 - Bronze toned

629 - Bright stainless steel



ANSI A250.13-2003
WINDSTORM RESISTANT



UL 1034
BURGLARY LISTED



FIELD SELECTABLE
(FAIL SECURE / FAIL SAFE)



FIELD SELECTABLE
(12 OR 24VDC)



GRADE 1





700 Series Pushbuttons

Overview

Schlage Pushbuttons are used to control the ingress and/or egress of a door. The 700 Series Pushbuttons are easy to install and operate.

Schlage 700 Series Entry Level Pushbuttons are designed to meet commercial applications. Use with egress swinging or sliding doors that are electrically or electronically locked. 700 Series Entry Level Pushbuttons are available for single gang and narrow stile applications. The 709 model, includes backlit buttons with "PUSH TO EXIT" or Handicap Symbol to meet ADA requirements.



System Components
700 Series Pushbuttons

Features and Benefits

- Single gang and narrow stile
- Standard stainless steel
- Momentary action (standard)
- Options include LEDs, alternate action – maintained (AA)

700 Specifications	
701 Pushbutton	
Contact Ratings	5 amps @ 250 VAC
Wire Leads	20 awg – 6" long
709 Pushbutton	
Contact Ratings	10 amps @ 250 VAC
Wire Leads	20 awg – 8" long
Input requirements with LED option	
Voltage	12/24 VDC
Current Draw	30 mA
Wire Leads	24 awg – 6" long
Input requirements with ILL option	
Voltage	12 VDC for 709 series only 24 VDC for 701/709 series

ORDERING INFORMATION

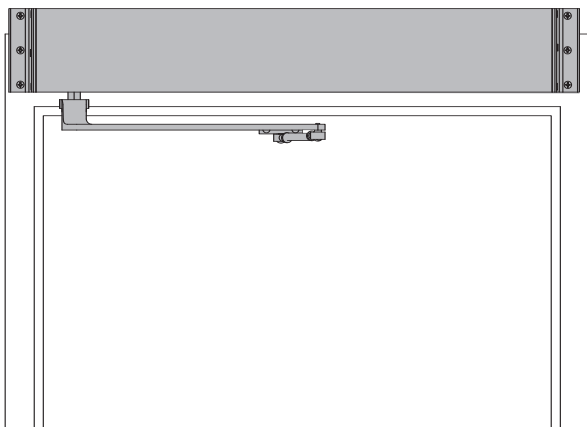
701RD	7/8" Red Mushroom Button
701BK	7/8" Black Mushroom Button
701RD EX	5/8" Red Button - Engraved "PUSH TO EXIT"
701RD EX ILL	5/8" Red Button – Illuminated "PUSH TO EXIT"
709RD EX ILL	2" Red Square - Illuminated "PUSH TO EXIT"
709GR EX ILL	2" Green Square – Illuminated "PUSH TO EXIT"
709BLH ILL	2" Blue Square – Illuminated Handicapped Symbol

OPTIONS

L2	Two LEDs, red and green, dual voltage
AA	Alternate Action – Maintained (not available for 709 models)
NS	Narrow Stile plate (not available for 709 models)



SINGLE DOOR, SURFACE MOUNT (PUSH) OFFSET PIVOT/BUTT HINGE



The 9540 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- ▶ **Push 'N Go permits non-switch activation**
- ▶ **Power Boost provides additional latching force**
- ▶ **Electromechanical unit with microprocessor control**
- ▶ **Digital keypad for easy setup**
- ▶ **Tested internally to over 10,000,000 cycles**
- ▶ **Meets International Building Code requirements and ANSI A156.19**
- ▶ **UL approved for fire doors**

- ▶ 9540 series operator is shipped with motor gearbox, control box, regular arm, header, and mounting hardware. Actuators available separately, see pages 199-215.
- ▶ Single door, surface mounted.
- ▶ Meets ADA requirements (power mode only).
- ▶ Handed product.
- ▶ 36" header length is standard. Specify length 33" to 49" max.
- ▶ Double door header available up to 98", specify other length 49" to 98" max. Consult factory regarding this option.
- ▶ Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

9540 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9540 Series is UL listed for fire-rated applications. The 9540 Series also meets the provisions of the Americans with Disabilities Act.

MOUNTING						HANDING			FINISH		COVER		ARM FUNCTION		
SURFACE MOUNT SINGLE DOOR						HANDED			STANDARD ANODIZED		STANDARD (SINGLE)		STANDARD PIVOT ARM		
SURFACE MOUNT SIMULTANEOUS PAIR						NON-HANDED			CUSTOM ANODIZED		REGULAR (DOUBLE)		OFFSET PIVOT ARM		
SURFACE MOUNT INDEPENDENT PAIR									CUSTOM PAINT		DOUBLE EGRESS (PUSH/PULL)		CENTER PIVOT ARM		
CONCEALED SINGLE DOOR									METAL						
CONCEALED SIMULTANEOUS PAIR															
CONCEALED INDEPENDENT PAIR															

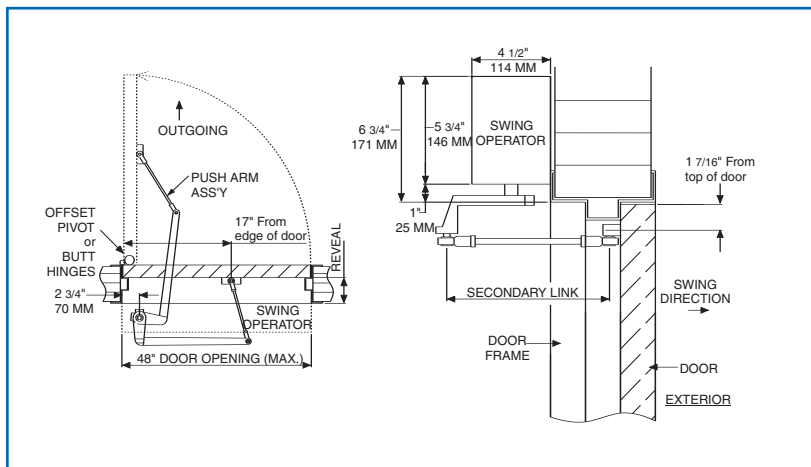
● AVAILABLE
 ○ NOT AVAILABLE

LCN 9540 SERIES

MOUNTING DETAILS

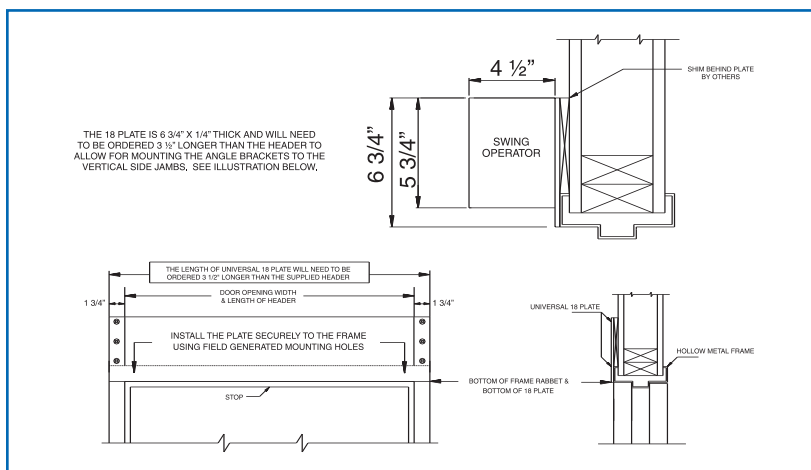
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balance door installations.



HOLLOW METAL FRAME

Suggested Installation



MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

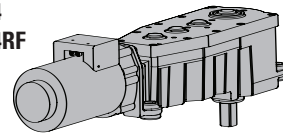
- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Reveal** for push installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- ▶ **Head Frame** minimum 1 3/4" (44 mm). Face frame 6 3/4" (171 mm) total operator clearance.
- ▶ **Top Rail** minimum 2 3/4" (70 mm).
- ▶ **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- ▶ **System Diagram** see "AUTOMATIC OPERATORS" section pages 54-55 for typical system wiring and page 58 for electrical data.
- ▶ Please consult your local SSC representative or LCN for assistance with specific installations and material requirements.

MOTOR GEARBOX

MOTOR GEARBOX (STANDARD FORCE) – SENIOR SWING, 9540-3454

Driving mechanism for operator. Provides 15lbs opening force. Handed.

3454
3454RF



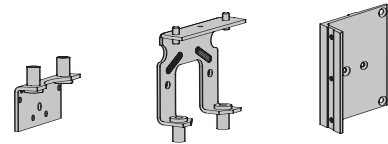
MOTOR GEARBOX (REDUCED FORCE) – SENIOR SWING, 9540-3454RF

Driving mechanism for operator. Provides 11lbs opening force. Handed.

275

3018

344-1



MOUNTING BRACKET

MOUNTING BRACKET – 2 3/4", 9540-275

Motor gearbox mounting bracket for 2 3/4" offset pivot or butt hinge installations. Front bracket.

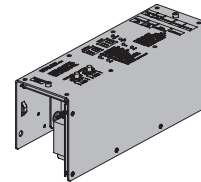
REAR MOUNT BRACKET, 9540-3018

Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9540-334-1

Mounting bracket for surface applications.

3462

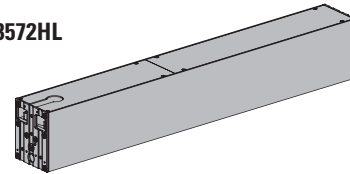


CONTROL BOXES

CONTROL BOX – SENIOR SWING, 9540-3462

Electronic controlling device for Senior Swing.

3572HL



HEADERS

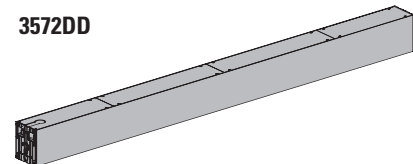
Header, 9540-3572HL

Standard, mounting header. Single door, single operator. Specify length 30" to 49" maximum.

Header, 9540-3572DD

Standard, mounting header. Double door, single operator. Specify length 49" to 98" maximum.

3572DD



END CAPS

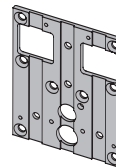
HEADER END CAPS, 9540-334

End cap with openings for wiring.

END DRESS PLATE, 9540-334-2

Metal finish end cap.

334



334-2



LCN 9540 SERIES

ARMS

REGULAR ARM ASSEMBLY, 9540-3077

Handed arm.

REGULAR LONG ARM ASSEMBLY, 9540-3077L

Handed arm.

MAIN ARM, 9540 -77

Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15", 9540-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9540-79LR

Threaded long rod attaches to door. Extends from main arm.
Used for reveal 10" to 20".

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2 3/4", 9540-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2 3/4" offset pivot or butt hinge installations.

FILLER PLATE BLANK, 9540-12

Completes length of header box. (Specify Length)

MOUNTING PLATE, 9540-18

Optional mounting plate for standard hollow metal door frames. Specify length 33" to 98" maximum.

NOTE: The length of a universal 18 plate will need to be ordered 3 1/2" longer than the supplied header.

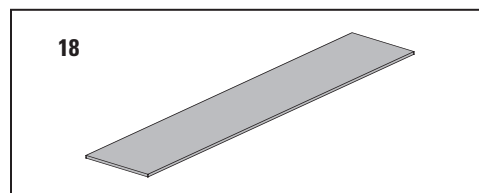
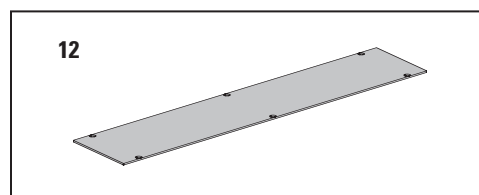
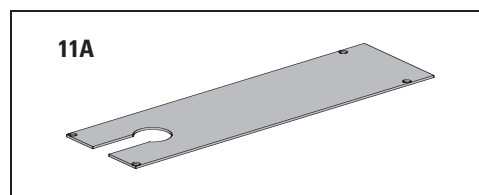
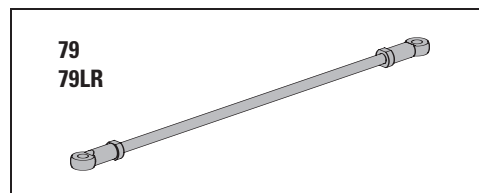
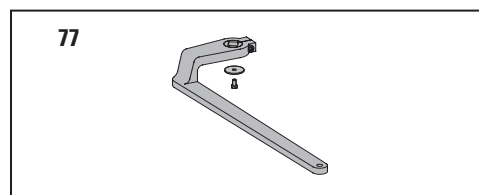
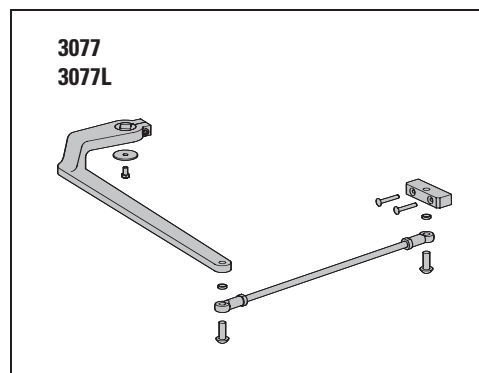
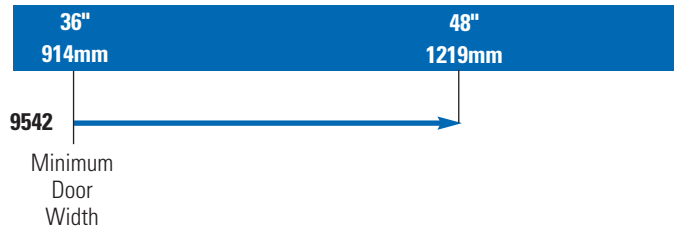


TABLE OF SIZES

→ Indicates recommended range of door width for operator.
 Note: For all Senior Swing Series
 Single Door - Width per leaf 36" minimum, 48" maximum

DOOR WIDTH



HOW-TO-ORDER 9540 SERIES OPERATORS

1. SPECIFY HAND

- ☐ RH
- ☐ LH

2. SPECIFY FINISH.

- ☐ Standard Anodized Finish _____
 Aluminum or Dark Bronze

Operator will be shipped with:

-STANDARD MOTOR GEARBOX (SF)
 -STANDARD CONTROL BOX (SC)
 -36" HEADER (36HL)
 -REGULAR ARM (3077)
 -2 3/4" PIVOT POINT
 -WOOD and MACHINE SCREW PACK
 Unless options listed below are selected.

OPERATOR OPTIONS

MOTOR GEARBOX

- ☐ Reduced Force Motor Gearbox (RF)

HEADER

- ☐ HL ____ (Specify length 36" to 49")
- ☐ DD ____ (Specify length 49" to 98")

MOUNTING PLATE

- ☐ Plate, ____ (Specify Length 30" to 98")

ARM

- ☐ Long Arm (3077L)

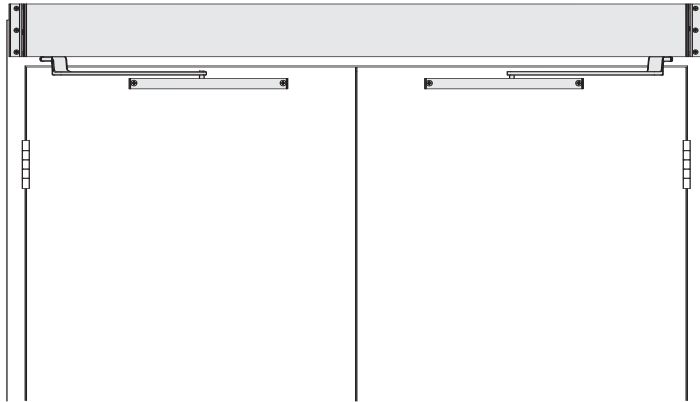
FINISH

- ☐ Custom Anodized Finish _____
- ☐ Custom Painted Finish _____

SPECIAL TEMPLATE

- ☐ ST- _____

OPERATOR MOUNTS INDEPENDENT PAIR, SURFACE MOUNT *PULL SIDE PUSH SIDE DOUBLE EGRESS



*PULL SIDE mount shown

The 9560 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation
- Power Boost provides additional latching force
- Electromechanical unit with microprocessor control
- Digital keypad for easy setup
- Tested internally to over 10,000,000 cycles
- Meets International Building Code requirements and ANSI A156.19
- UL approved for fire doors

- 9560 series operator is shipped with motor gearboxes, control boxes, arms, header, and mounting hardware. Actuators available separately, see pages 199-215.
- Independent pair, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- Pull, Push or Double Egress applications available.
- 72" header length is standard. Specify other length 60" to 98". Consult factory regarding this option.
- Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

9560 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9560 Series is UL listed for fire-rated applications. The 9560 Series also meets the provisions of the Americans with Disabilities Act.

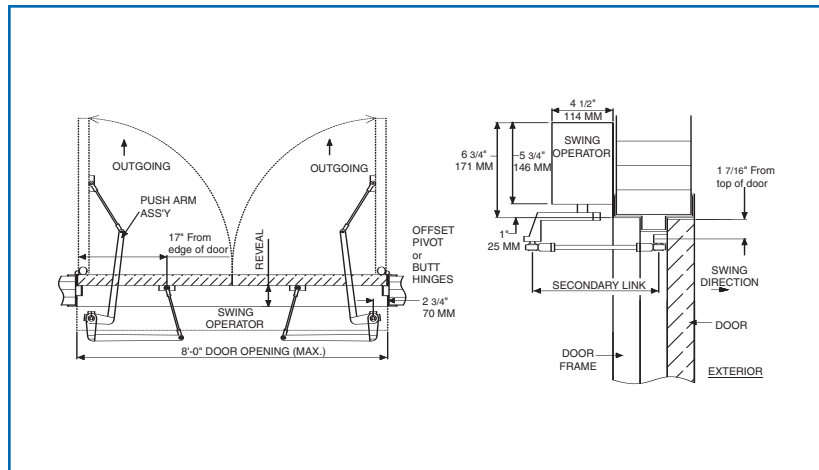
MOUNTING						HANDING			FINISH		COVER	ARM FUNCTION			
SURFACE MOUNT SINGLE DOOR	SURFACE MOUNT SIMULTANEOUS PAIR	SURFACE MOUNT INDEPENDENT PAIR	CONCEALED SINGLE DOOR	CONCEALED SIMULTANEOUS PAIR	CONCEALED INDEPENDENT PAIR	HANDED	NON-HANDED	STANDARD ANODIZED	CUSTOM ANODIZED	CUSTOM PAINT	METAL	STANDARD (SINGLE)	REGULAR (DOUBLE)	DOUBLE EGRESS (PUSH/PULL)	OFFSET PIVOT ARM
○	○	●	○	○	○	●	○	●	●	●	●	○	○	○	○

● AVAILABLE

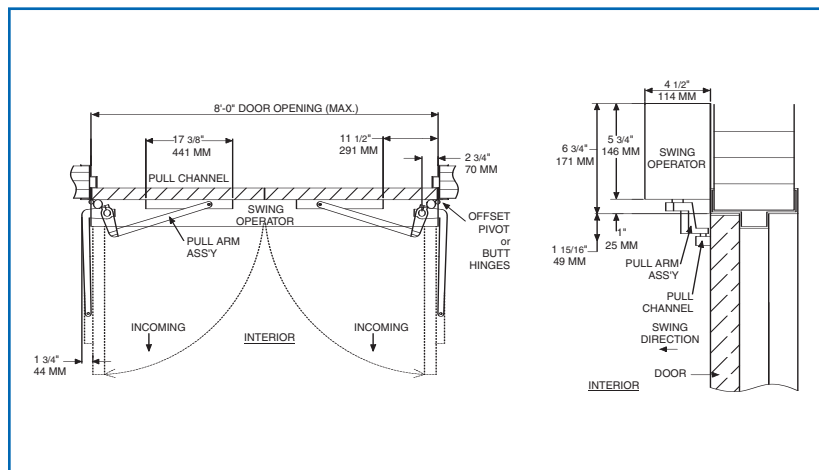
○ NOT AVAILABLE

LCN 9560 SERIES

TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING



TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING



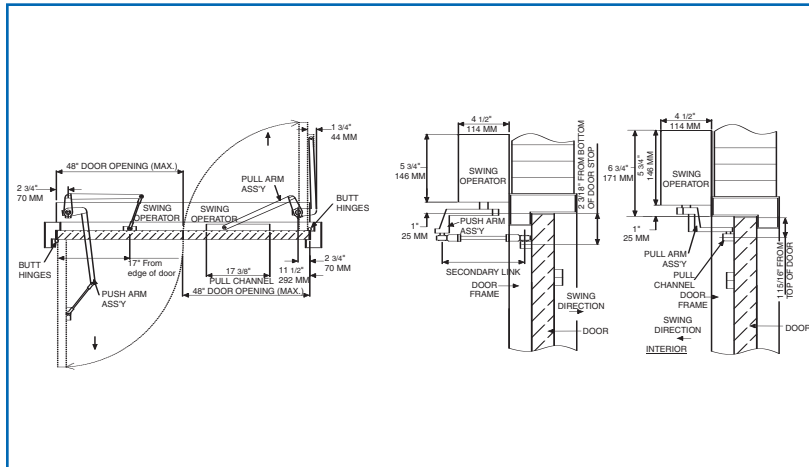
MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

Special Templates

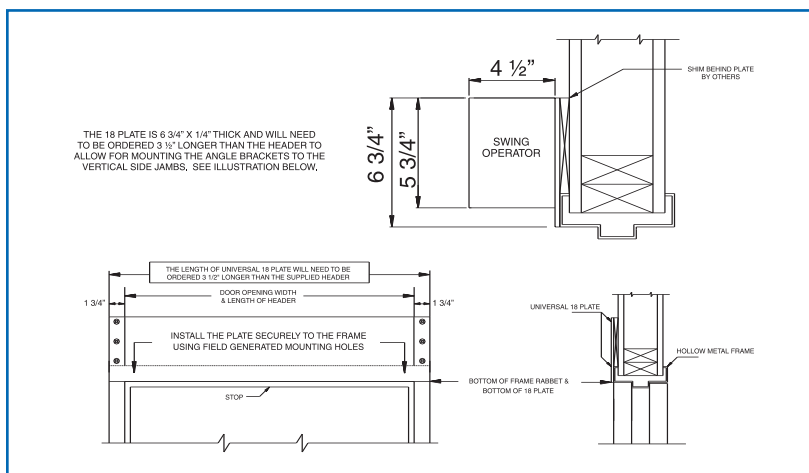
Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- ▶ **Reveal for pull** installations should not exceed 4" (102 mm).
- ▶ **Reveal for double egress** installations should not exceed 4" (102 mm).
- ▶ **Head Frame** minimum 1 3/4" (44 mm). Face frame 6 3/4" (171 mm) total operator clearance.
- ▶ **Top Rail** minimum 2 3/4" (70 mm).
- ▶ **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- ▶ **System Diagram** see "AUTOMATIC OPERATORS" section pages 54-55 for typical system wiring and page 58 for electrical data.
- ▶ Please consult your local SSC representative or LCN for assistance with specific installations and material requirements.



TOP JAMB INDEPENDENT PAIR (RH DOUBLE EGRESS) MOUNTING

Consult factory for all balance door installation.



HOLLOW METAL FRAME

Suggested Installation

- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- ▶ **Reveal for pull** installations should not exceed 4" (102 mm).
- ▶ **Reveal for double egress** installations should not exceed 4" (102 mm).
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- ▶ Please consult your local SSC representative or LCN for assistance with specific installations and material requirements.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

LCN 9560 SERIES

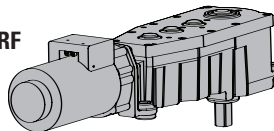
MOTOR GEARBOX

MOTOR GEARBOX (STANDARD FORCE)

—SENIOR SWING, 9560-3454

Driving mechanism for operator. Provides 15lbs opening force. Handed.

3454
3454RF



MOTOR GEARBOX (REDUCED FORCE)

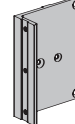
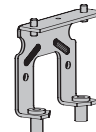
— SENIOR SWING, 9560-3454RF

Driving mechanism for operator. Provides 11lbs opening force. Handed.

275

3018

344-1



MOUNTING BRACKETS

MOUNTING BRACKET – 2 3/4", 9560-275

Motor gearbox mounting bracket for 2 3/4" offset pivot or butt hinge installations. Front bracket.

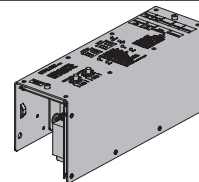
REAR MOUNT BRACKET, 9560-3018

Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9560-334-1

Mounting bracket for surface applications.

3462

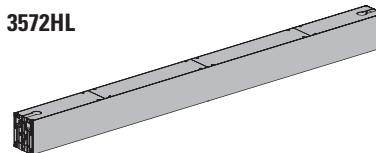


CONTROL BOXES

CONTROL BOX – SENIOR SWING, 9560-3462

Electronic controlling device for Senior Swing

3572HL



HEADERS

HEADER, 9560-3572HL

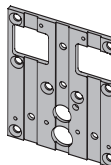
Standard, mounting header. Pair door, two operators. Specify length 60" to 98" maximum.

END CAPS

HEADER END CAPS, 9560-334

End cap with openings for wiring.

334



334-2



END DRESS PLATE, 9560-334-2

Metal finish end cap.

ARMS

STANDARD ARM ASSEMBLY, 9560-3077PLCM

Handed arm.

REGULAR ARM ASSEMBLY, 9560-3077

Handed arm.

REGULAR LONG ARM ASSEMBLY, 9560-3077L

Handed arm.

STANDARD ARM, 9560-3077T

Handed arm. Track roller not included.

MAIN ARM, 9560 -77

Handed arm attaches to motor gearbox

LINKAGE ASSEMBLY – 15", 9560-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9560-79LR

Threaded long rod attaches to door. Extends from main arm.
Used for reveal 10" to 20".

TRACKS

TRACK 9560-3038

Standard non-handed track.

TRACK END CAP 9560-73

Black plastic end caps.

ROLLER, 9560-3034

Quiet low friction roller assembly.

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2 3/4", 9560-11A

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2 3/4" offset pivot or butt hinge installations.

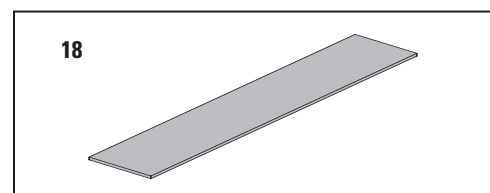
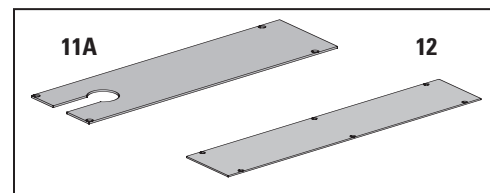
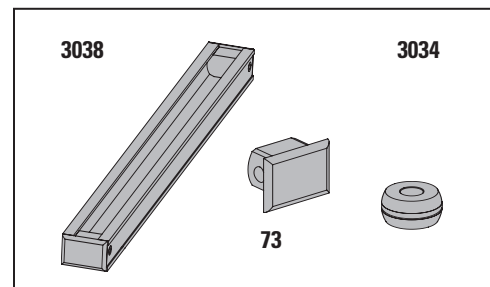
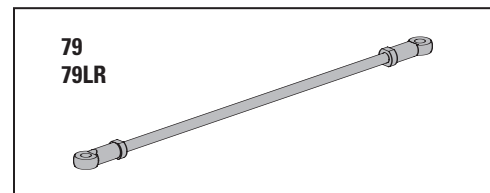
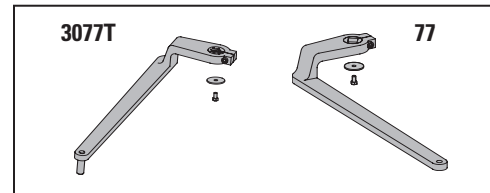
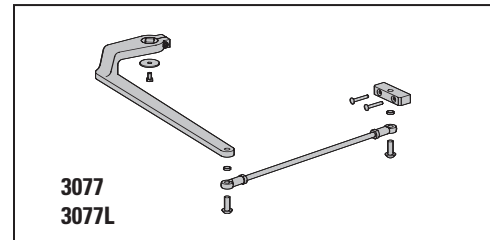
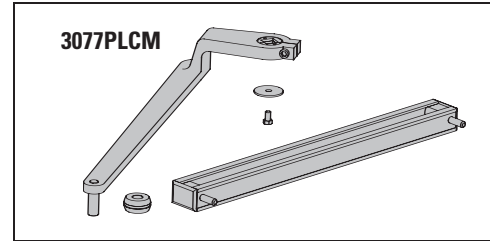
FILLER PLATE BLANK, 9560-12

Completes length of header box. (Specify Length)

MOUNTING PLATE, 9560-18

Optional mounting plate for standard hollow metal door frames. Specify length 33" to 98" maximum.

NOTE: The length of a universal 18 plate will need to be ordered 3 1/2" longer than the supplied header.



LCN 9560 SERIES

TABLE OF SIZES

→ Indicates recommended range of door width for operator.

Note: For all Senior Swing Series

Independent Pair – Width per leaf 30" minimum to 48" maximum

DOOR WIDTH



HOW-TO-ORDER 9560 SERIES OPERATORS

1. SPECIFY HAND

- ☐ RH
- ☐ LH

2. SPECIFY FINISH.

- ☐ Standard Anodized Finish _____
Aluminum or Dark Bronze

Operator will be shipped with:

-STANDARD MOTOR GEARBOX (SF) (2 ea)
 -STANDARD CONTROL BOX (SC) (2 ea)
 -72" METAL COVER (72HL)
 -REGULAR ARM (2 ea)
 -2 3/4" PIVOT POINT
 -MACHINE SCREW PACK
 Unless options listed below are selected.

OPERATOR OPTIONS

MOTOR GEARBOX

- ☐ Reduced Force Motor Gearbox (RF)

HEADER

- ☐ HL__ (Specify length 60" to 98")

MOUNTING PLATE

- ☐ Plate, ____ (Specify Length 30" to 98")

ARM

- ☐ Standard Arm (2 ea)
w/Standard Track (2 ea)
- ☐ Double Egress
Includes Standard Arm w/Track (1 ea)
& Regular Arm (1 ea)
- ☐ Long Arm (3077L)

FINISH

- ☐ Custom Anodized Finish _____
- ☐ Custom Painted Finish _____

SPECIAL TEMPLATE

- ☐ ST-_____

AUTOMATIC OPERATOR ACTUATORS & ACCESSORIES

8310 Series 1 1/2" x 4 3/4" Surface and Flush mounts

NOTE: LCN recommends for all jamb mount actuators be used on an interior installation only.

JAMB MOUNTED ACTUATOR, 8310-818

Hardwired low voltage actuator with rectangular stainless steel touch plate. 1 1/2" (38mm) wide by 4 3/4" (121mm). Engraved blue filled handicap symbol conforms to most accessibility codes. Designed to mount in a frame cutout (template provided) projecting approximately 1/2" (12mm) from the frame. Optional mounting in surface or flush mount box (sold separately). Heavy industrial grade components provide vandal resistant mounting and weather resistant switch standard.

JAMB MOUNTED ACTUATOR, 8310-818T

Same as the 8310-818, with the added engraving of "Push to Open"

FLUSH MOUNT BOX, 8310-819F

Rugged Plastic Jamb Box, 1 1/2" x 4 3/4" Rectangle, Optional accessory - Can be used w/ any 1 1/2" x 4 3/4" jamb mount actuator

SURFACE MOUNT BOX, 8310-819S

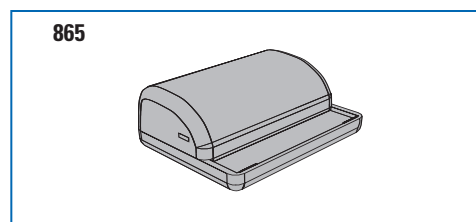
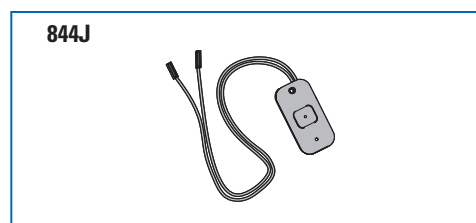
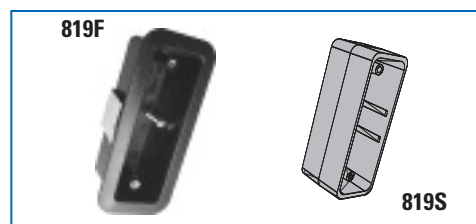
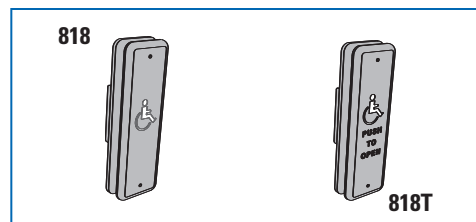
Rugged Plastic Jamb Box, 1 1/2" x 4 3/4", Rectangle, Optional accessory - Can be used w/ any 1 1/2" x 4 3/4" jamb mount actuator

TRANSMITTER, 8310-844J

Transmitter, Wireless, 1 Channel, Jamb Mount, 3v battery included. Used to convert standard jamb mount actuator to wireless when used w/ 819F or 819S boxes. Requires 8310-865 Receiver (interior use only)

RECEIVER, 8310-865

Receiver, Wireless, 1 Channel, w/ Sequencing Feature Used in conjunction w/ Wireless Actuators & Transmitter(s)





Steel Door Contact

3/4" and 1" contacts

1078/1076 Series

Overview

The GE Interlogix 1078 Series Steel Door contacts are designed specifically for use in the steel doors commonly found in commercial building applications. The unique housing design features a rugged unibody construction with flexible ribbed sides for quick, secure installation without gluing. The magnet housing isolates the magnet from the surrounding steel for maximum gap distances, both make and break. Over seven models including: Wide Gap, SPDT, DPDT, and Biased for High Security applications make the 1078 Series the most widely used and comprehensive line available.

On available models a terminal connection (T) makes installation easier. Simply strip the wire, insert it into the terminal block and tighten. The terminal accepts any wire size from 14 to 22 gauge, and has a unique one piece design for added strength.

An optional Rare Earth Magnet is available. It is designed for use in metal entry/exit doors with a channel in the top of the door. The magnet eliminates the need to cut a mounting hole in the door channel. The flexible magnet housing can be compressed to accommodate a variety of channel widths for quick, easy installation. Adhesive is recommended.

Architectural and Engineering Specifications

The contact contains a hermetically sealed magnetic reed switch. The reed shall be potted in the contact housing with a polyurethane based compound. Contact and magnet housing shall snap-lock into a 3/4" or 1" dia. hole. Housings shall be molded of flame retardant ABS plastic. Color of housings shall be off-white, grey or mahogany brown. The magnet shall be made of Alnico V. Rare Earth Magnet shall be made of neodymium iron boron.

Designed for use in Steel Doors

Snap-lock insulation bushing for tight fit and maximum gap in steel.

Both contact and magnet plastic housings are constructed of one piece of thick-walled ABS plastic for maximum strength and durability.



**Optional 1840
Rare Earth Magnet**

Standard Features

- Fly leads and terminal options available
- Designed specifically for use in steel doors
- Special ribbed sides allow for easy installation
- Rugged unibody construction for maximum durability and reliability
- Terminal models available for easier installation
- Regular, Wide Gap, SPDT, DPDT, and High Security models available
- Rare Earth Magnet designed for steel door with top channel available

Model numbers

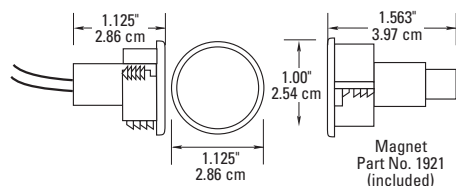
1076, 1076W, 1076C, 1076CW, 1076D, 1078, 1078W, 1078C, 1078CT, (R)1078, 1078CTW

Steel Door Contact

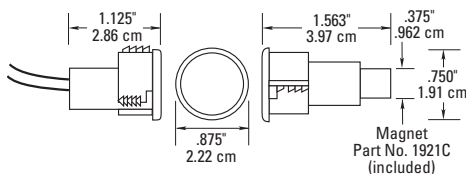
$\frac{3}{4}$ " and 1" contacts
1078/1076 Series

Dimensions

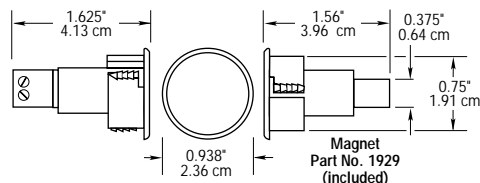
Models:
(R)1078, 1078W, 1076,
1076W, 1076D



Models:
1078C, 1076C,
1076CW, 1076CH



Models:
1078CT, 1076CTW,



(R) prefix indicates
Rare Earth Magnet

Specifications

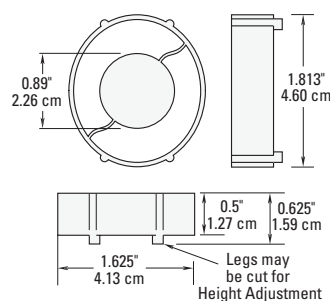
Form A: (R)1078, 1078W, 1078C, 1078CT, 1078CTW

Voltage 100V AC/DC max.
Current 0.5 A max.
Power 7.5 W max.

Form C: 1076, 1076W, 1076D, 1076C(D), 1076CW, 1076CH

Voltage 30V AC/DC max.
Current 0.25 A max.
Power 3.0 W max.

Rare Earth Magnet



Protected by
U.S. Patent 5,844,458.



Ordering Information

Model	Dia.	Loop Type	Electrical Config.	Hole Required		Gap Distance*			Color
Contact	Magnet	Wood*	Steel*	Rare Earth					
1076	1"	Open or Closed	SPDT	1" x 1.125"	1" x 1.563"	1"	Up to $\frac{1}{2}$ "	Up to $\frac{5}{8}$ "	M, N, G
1076W	1"	Open or Closed	SPDT	1" x 1.125"	1" x 1.563"	2"	Up to 1"		M, N, G
1076D	1"	Open or Closed	DPDT	1" x 1.125"	1" x 1.563"	$\frac{3}{4}$ "	Up to $\frac{3}{8}$ "	Up to $\frac{5}{8}$ "	M, N, G
1078	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	1"	Up to $\frac{1}{2}$ "	Up to $\frac{5}{8}$ "	M, N, G
1078W	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	2"	Up to 1"		M, N, G
1076C	$\frac{3}{4}$ "	Open or Closed	SPDT	$\frac{7}{8}$ " x 1.125"	$\frac{7}{8}$ " x 1.563"	$\frac{7}{8}$ "	Up to $\frac{3}{8}$ "	Up to $\frac{5}{8}$ "	M, N, G
1076CW	$\frac{3}{4}$ "	Open or Closed	SPDT	$\frac{7}{8}$ " x 1.125"	$\frac{7}{8}$ " x 1.563"	2"	Up to $\frac{3}{4}$ "		M, N
1078C	$\frac{3}{4}$ "	Closed	N/O	$\frac{7}{8}$ " x 1.125"	$\frac{7}{8}$ " x 1.563"	$\frac{1}{2}$ "	N/A		M, N, G
(R)1078	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	1"	Up to $\frac{1}{2}$ "	Up to $\frac{5}{8}$ "	M, N
1078CT	$\frac{3}{4}$ "	Closed	N/O	$\frac{7}{8}$ " x 1.625"	$\frac{7}{8}$ " x 1.56"	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	M, N
1078CTW	$\frac{3}{4}$ "	Closed	N/O	$\frac{7}{8}$ " x 1.625"	$\frac{7}{8}$ " x 1.56"	$\frac{5}{8}$ "	$\frac{3}{4}$ "	N/A	N

* Gap distances are nominal make distance $\pm 20\%$. Gap specifications are for switch to make.
Break distance is approximately 1.1 to 1.5 times make.



GE Interlogix



M490/492

Electromagnetic Locks

Overview

The M400 Series line of electromagnetic locks from Schlage are designed with the customer in mind to be robust, easy to install, and secure. The new bayonet mounting feature makes installs easier, allowing the installer to have their hands free during the mounting process. There is no need to consider door handing as all the M400 Series electromagnetic locks are both non-handed and symmetrical, allowing optimum placement of the magnet no matter the application.

All M400 Series locks have automatic voltage sensing for 12 and 24 volts along with polarity protection to make wiring less complex.

The M490 is tested and certified to meet or exceed UL1034 and BHMA 1500lb. hold force requirements.

The M490 electromagnetic lock comes in two configurations to meet your specific security needs. The M490 provides basic security, while the M490P provides intelligent sensing and reporting features needed to integrate with access control systems. Additional options are available for the M490P. Kits are available for top jam, double door, and glass door applications.



System Components
M490/492 Mag Lock

Features and Benefits

- Bayonet mount makes installation simpler by not requiring magnet to be held overhead while mounting screws are installed
- New design allows for RH/LH configuration in the field
- Armature mount allows armature to pivot compensating for slight opening imperfections
- Limited Lifetime Warranty
- UL1034 Burglary-Resistant Electronic Locking Mechanisms, UL10C Positive Pressure Fire Tests of Door Assemblies and ANSI/BHMA Grade 1 certifications
- 1500 lb. Hold Force
- See page 2 for additional features and options

ADDITIONAL FEATURES

M490/M492

- **Automatic Voltage Selection (AVS)** senses the voltage applied to the lock and responds accordingly

M490P/M492P

- **Magnetic Bond Sensor (MBS)** monitors the strength of the bond between the lock and armature so you know the door is secure
- **Door Position Switch (DPS)** monitors whether the door is open or closed
- **Relock Time Delay (RTD)** provides a relock delay that is adjustable from 0.5 to 30 seconds

Optional

- **Anti-Tamper Switch (ATS)** provides an indication that the cover of the magnet is securely fastened to the lock and that the on board circuitry is secure
- **MBS Indicator (LED)** provides visual indication of magnetic bond at the lock

OPTIONS (FOR ALL)

- Herculite Door Bracket
- Top Jamb (inswinging doors)

M490/M492 Electromagnetic Lock Specifications

Specification	M490/M490P	M492/M492P
Holding Force	meets or exceeds BHMA standard of 1500 lbs.	meets or exceeds BHMA standard of 1500 lbs.
Input Voltage (Standard Unit)	12/24 VDC	
Current Draw (Amps Standard Unit)	.65A @ 12 VDC .35A @ 24 VDC	1.3A @ 12 VDC .7A @ 12 VDC
Automatic Dual Voltage	12/24 VDC	
Height	3"	3"
Length	12 - 1/2"	25 - 1/16"
Width	1 - 3/4"	1 - 3/4"
Weight (approximate)	14 lbs.	28 lbs.
Certifications	UL 294, UL10C, ANSI/BHMA A156.23	
Temperature	0°-49° C (32°-120° F)	
Wire Gauge	14-22 AWG	

Filler Plates and Angle Brackets Specifications

	M490	M492
Length	10-1/2"	20- 5/8"
Filler Plates		
Width x Height		
1-1/4" x 1/8"	4901F	4921F
1-1/4" x 1/4"	4902F	4922F
1-1/4" x 3/8"	4903F	4923F
1-1/4" x 1/2"	4904F	4924F
1-1/4" x 5/8"	4905F	4925F
3/4" x 1/2"	4906F	4926F
3/4" x 5/8"	4907F	4927F
3/4" x 3/4"	4908F	4928F
Angle Brackets		
Width x Height	Plate No.	Plate No.
1"x1"	4901A	4921A
1-1/2" x 1"	4902A	4922A
1-1/2" x 1-1/2"	4903A	4923A
1-1/2" x 2"	4904A	4924A
1-1/2" x 2 -1/2"	4905A	4925A





Scan II™

Passive Infrared
Motion Sensors

Overview

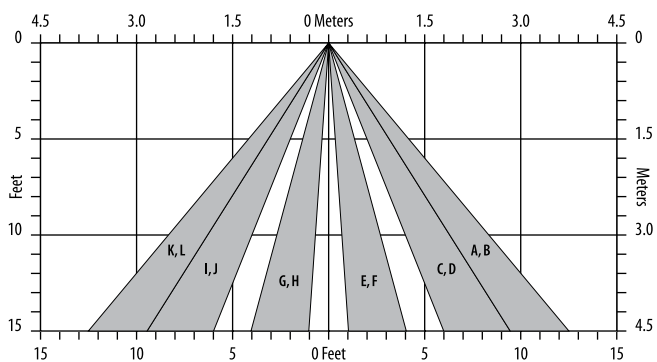
The Scan II™ is a Passive Infrared Detector specifically designed for “request to exit” applications. It has an adjustable relay latch time, is internally pointable, and provides two Form “C” sets of relay contacts.

The enclosure design consists of a three piece, high impact ABS plastic enclosure with fresnel lens and is available in white or black. The coverage area of Scan II™ is up to 8 by 10 feet (2.4m by 3m). Coverage is dependent upon mounting height and pattern angle. Pattern Pointability is $\pm 14^\circ$ @ vertical. Surface mounting height range is from 7 to 15 feet (2.1m to 4.5m). The unit also features an externally visible activation LED.

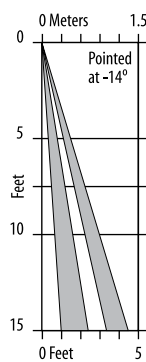


Features and Benefits

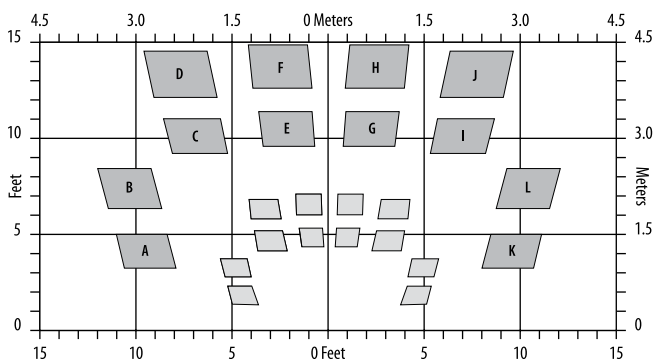
- Output – Two Form “C” relay contacts rated 1A @ 30 VDC for DC resistive loads
- Relay Latch Time is adjustable up to 60 seconds
- The relay mode can be programmed by the installer to reset when the timer expires or to remain activated until motion stops. The fail safe/fail secure mode can also be selected.
- 12/24 VDC, 26 mA @ 12 VDC or 24 VDC
- Output Two Form “C” relay contacts rated 1A @ 30 VDC for DC resistive loads
- Operating Temperature -20°F to 120°F (-29°C to 49°C)
- Size 1-1/2” (38mm) H x 6 1/4” (159mm) W x 1-1/2” (38mm) D
- UL Listed



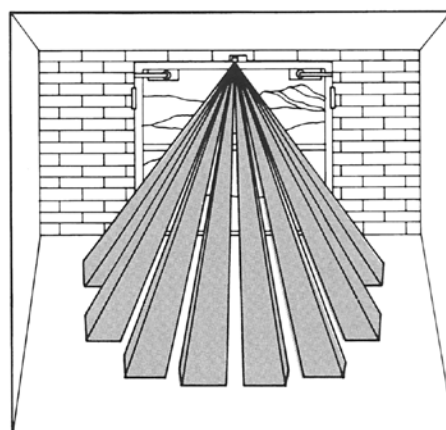
Front View



Side View



Standard Pattern
Shown wall mounted, angled 14° down.



Standard Pattern
Shown wall mounted, angled 14° down.

ORDERING INFORMATION

Scan II – B Black
Scan II – W White

